

DAIMLER

DD 13 Scuffing Test ASTM Taskforce Update
March 7th, 2016
Phone Conference

Daimler Trucks



Executive Summary

**Meeting
Date**

DD13 Scuffing Test

March 07, 2016

1 DD13 Scuffing Test ASTM Taskforce Meeting

Phone Conference – Test Update

2 Key messages

- Matrix testing update
- Review timeline
- Schedule Face to Face meeting
 - Discuss timeline (TMC data submission)

3 Taskforce Decisions from Today's Meeting

- Time/Date(s) of Face to Face meeting.
- Taskforce approval for timeline proposals.

Matrix Update

	LZ	SWRI	Intertek
Test 1	Oil X Completed/Reviewed Engine #1	Oil C Completed/Reviewed Engine #1	Oil X Completed/Reviewed Engine #1
Test 2	Oil C Completed/Reviewed Engine #2	Oil X Completed/Reviewed Engine #2	Oil C Completed/Reviewed Engine #2
Test 3	Oil X Completed/Reviewed Engine #2	Oil C Completed Engine #2	Oil C Completed/Reviewed Engine #1
Test 4	Oil C Completed Engine #1	Oil X Completed Engine #1	Oil X Completed Engine #2

Timeline

		year	2015												2016					
			January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June
		month																		
Original Timeline																				
Extended Item																				
Items to be completed																				
Define Matrix test procedure																				
Conduct lab visits/inspections																				
Review operational data of Prove-out tests																				
Complete report forms and data dictionary																				
Conduct rating workshop																				
Conduct Precision Matrix																				
Finalize Hours to Scuff Definition (Test Criteria)																				
Analyze matrix testing																				
Calculate test standard deviation along with oil targets & standard deviations																				
Finalize reference oil selection																				
Set up LTMS																				
Determine stand calibration based on precision matrix testing																				
Review and finalize the Qi Limits/control limits																				
Determine calibration and referencing protocols																				
Finalize the test procedure including any additional items including any learnings from the review of the matrix (critical parameters, shutdown protocols, etc.)																				
ASTM ballot issued																				
Appendix K (not required, but will reviewed)																				
Research report																				

Next Steps

- Schedule Face to Face meeting: (At least 1 week after data submission to TMC)
- Consider moving up deadlines for Beta period and data submission
 - **Current Date:**
 - March 15th, 2016 (Beta period)
 - April 15th, 2016 (Data submission)
 - **Proposed New Date: (Agreed on by Taskforce 12:45 PM 3/7/2016)**
 - Monday March 7th, 2016 (Beta period) (All comments/corrections submitted for revision 1)
 - Wednesday March 9th, 2016 (Beta period) (Revision 2 data dictionary uploaded)
 - Friday March 11th, 2016 (Beta period) (All comments/corrections submitted for revision 2)
 - March 16th to March 21st, 2016 (Data submission)
- Face to Face Meeting Dates:
 - April 4th, 2016 (8:30AM - 5:00PM) (Detroit Diesel)
 - April 5th, 2016 (8:30AM - 5:00PM) (Detroit Diesel)